

Prentice Hall Mathematics: Pre-Algebra Student Edition Bundle

Includes: Pre-Algebra Student Edition and Kentucky Test Prep Workbook, Grade 8.

Solid preparation for algebra and geometry. Throughout the text, algebraic concepts are connected to arithmetic skills to build on what students know. Geometry concepts are integrated where appropriate to foster connections.

Contract Price

\$49.97

Grade

6, 7, 8

TYPE

P2

Copyright

2009

Author

Kennedy et al.

Edition

4th

Content

Pre-Algebra

Readability

760L

Accessibility

Nimas

Research

<http://www.pearsonschool.com/index.cfm?locator=PSZ3Wu>

Teacher Edition

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| 013365950X | | \$91.97 |
| Prentice Hall Mathematics: Pre-Algebra Teacher's Edition | | |

Essential Items

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|---|-------|--------|
| 0133626512 | Nimas | \$3.47 |
| Prentice Hall Mathematics: Kentucky Test Prep Workbook, Grade 8 | | |

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| 0133659453 | Nimas | \$64.47 |
| Prentice Hall Mathematics: Pre-Algebra - Student Edition | | |

Ancillary Items

Free with Purchase items

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|---|---|--------|
| 0131657178 | Prentice Hall Mathematics: Pre-Algebra - All-In-One Workbook, | \$9.47 |
| Choice of One: All-In-One Student Workbook or All-In-One, Adapted Version Student Workbook - Free | | |

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|---|--|--------|
| 0131657208 | Prentice Hall Mathematics: Pre-Algebra - All-In-One, Adapted | \$9.47 |
| Choice of One: All-In-One Student Workbook or All-In-One, Adapted Version Student Workbook - Free | | |

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|---|---|---------|
| 0131657267 | Prentice Hall Mathematics: Pre-Algebra - All-In-One Student | \$19.97 |
| Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions | | |

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|---|---|---------|
| 0131657305 | Prentice Hall Mathematics: Pre-Algebra - All-In-One Student | \$19.97 |
| Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions | | |

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| 0132015641 | Prentice Hall Mathematics: Pre-Algebra - With text purchase, add | \$9.00 |
| Free upon request, 1 per Student Edition purchased | | |

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|--|---|----------|
| 0132504561 | Prentice Hall Mathematics: Pre-Algebra - Teaching Resources | \$199.97 |
| Choice of One: Teacher Express CD-ROM or Teaching Resources - Free upon request, 1 per Teacher | | |

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|---|---|--------|
| 0133626512 | Prentice Hall Mathematics: Pre-Algebra - Kentucky Test Prep | \$3.47 |
| Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions | | |

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|---|--|--------|
| 0133626512 | Prentice Hall Mathematics: Pre-Algebra - KY Test Prep Workbook | \$3.47 |
| Free upon request, 1 per Student Edition purchased, years 2-6 of the contract | | |

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|--|---|----------|
| 0133659801 | Prentice Hall Mathematics: Pre-Algebra - Teacher Express CD-ROM | \$199.97 |
| Choice of One: Teacher Express CD-ROM or Teaching Resources - Free upon request, 1 per Teacher | | |

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|---|--|----------|
| 0133659852 | Prentice Hall Mathematics: Pre-Algebra - Presentation Resource CD- | \$199.97 |
| Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions | | |

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|---------------------------------------|--|----------|
| 0133659895 | Prentice Hall Mathematics: Pre-Algebra - ExamView 6.1 Assessment | \$129.97 |
| Free upon request, 1 per Teacher User | | |

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|---|---|----------|
| 0133659941 | Prentice Hall Mathematics: Pre-Algebra - Teacher Online Access Pack | \$299.97 |
| Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions | | |

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

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|---|--|-------------------------|---|--|---------------------------|
| Provided by the Publisher | ISBN 0133682056 | | Publisher - Pearson Education, Inc., publishing as Prentice Hall | | Provided by the Publisher |
| | Prentice Hall Mathematics: Pre-Algebra Student Edition Bundle | | | | |
| | Type - P2 | Author - Kennedy et al. | | | |
| | Copyright - 2009 | Edition - 4th | Readability - 760L | | |
| | Course - Pre-Algebra | | Grade(s) - 6, 7, 8 | | |
| Teacher Edition ISBN if applicable 013365950X | | | | | |

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|---|---|
| Overall Recommendation: | Recommended as BASAL |
| Overall Strengths, Weaknesses, Comments: | if this box is not checked, the evaluators have chosen NOT recommend as basal |
| This text meets the Program of Studies requirements for 7th and 8th grade, but would require significant supplementing to use with the 6th grade. | |

NIMAC Accessibility N
 Ancillary No
 Free with Purchase Yes
 Research Yes <http://www.pearsonschool.com/index.cfm?locator=PSZ3Wu>

Includes: Pre-Algebra Student Edition and Kentucky Test Prep Workbook, Grade 8.

CRITERIA

This basal resource ...

| | |
|---|-------------------|
| A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence | |
| Text is designed to be used in an elective course outside the Program of Studies | |
| 1) Includes the 5 Big Ideas of mathematics to the following extent: | |
| a) Number Properties and Operations | Strong Evidence |
| b) Measurement | Strong Evidence |
| c) Geometry | Moderate Evidence |
| d) Data Analysis and Probability | Strong Evidence |
| e) Algebraic Thinking | Strong Evidence |
| 2) Addresses content-specific enduring understandings from the related Program of Studies standards. | Strong Evidence |
| 3) Addresses content-specific skills and concepts from the related Program of Studies standards. | Strong Evidence |
| 4) Content addressed is current, relevant and non-trivial | Strong Evidence |
| 5) Provides opportunities for critical thinking/reasoning | Strong Evidence |

6) Strengths, Weaknesses, Comments:

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

The Number Properties and Operations strand is strong for 6th through 8th grades; however, more intensive instruction needs to be given for the average 6th grade student.

The Measurement strand does not include basic perimeter of regular and irregular polygons, other than rectangles. It does include finding the perimeter of triangles with slanted sides using the Pythagorean Theorem and the Distance Formula. It is also weak in using measurement tools other than a protractor. I would only recommend this text for advanced 7th grade students and average 8th grade students based on the measurement strand.

The Geometry strand is extremely limited in the area of dilations. Congruent and similar figures is embedded in the discussion on scale models and offers limited exposure to figures other than triangles. Supplementing would be required to restrict the text to 6th grade content, because in some areas it extends beyond what is required (meaning it offers little practice in the focus areas i.e. first quadrant).

The Data and Probability strand is strong. Supplements may be required to address bias issues or faulty data analysis. There is no inclusion of the terms clusters and gaps. Outliers are only discussed in relation to the mean. There is limited opportunity to design experiments and pose student derived questions.

The Algebra strand is strong for 7th and 8th grade, however it extends beyond the 6th grade Program of Studies in some areas. For example, supplementing would be necessary to limit the content to the use of the first quadrant of the coordinate system and to incorporate more concrete and/or informal methods to solve equations with one variable.

B. Functionality & Suitability

Strong Evidence

1) Suitability

Strong Evidence

- Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.

2) Content quality

Strong Evidence

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community
- Interconnections among mathematical topics

3) Connections to Literacy

Strong Evidence

- Employs a variety of reading levels and is grade/level appropriate
- Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.
- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- The text is engaging and facilitates learning
 - Embedded activities enhance the understanding of the text
- Note: may apply to either student or teacher editions*

4) Connections to Technology

Strong Evidence

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data
- Embeds web links as a mathematics resource.

5) Support for Diverse Learners

Strong Evidence

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Every lesson provides ideas for differentiating for special needs, below level, ELL, and advanced learners. Technology is embedded throughout text, but also includes a technology section that focuses on TI Technology. Vocabulary Builder focuses on high use academic words, not necessarily math terms. Math vocabulary is also emphasized using highlighting and bold-face type. English-Spanish glossary is included for key vocabulary.

C. Supports Inquiry and Skill Development

Strong Evidence

1) Promotes Inquiry, research and Application of Learning

Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
 - Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
 - Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
 - Provides opportunities for application of learned concepts.
 - Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
 - Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
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Note: may apply to either teacher or student edition

2) Skill Development**Strong Evidence**

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

Text contains a lot of pictures, charts, graphs and other illustrations. Activity Labs offer opportunities for deeper questioning. Guided Problem Solving (GPS) helps to strengthen problem solving skills. Provides supports for interventions and ties to previous lessons.

D. Supports Best Practices of Teaching and Learning**Strong Evidence****1) Engages Students****Strong Evidence**

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction**Strong Evidence**

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

A number of activities are included throughout the text to engage students and connect to real-life situations. Closure activities also draw on real-life situations and in some cases can be

used as a formative assessment. Each chapter includes checkpoint quizzes, lesson quizzes, alternative assessments, chapter tests, and test prep/strategies.

E. Has an Organization/ Format that Supports Learning and Teaching

Strong Evidence

1) Organizational Quality

Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)

Strong Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Essential components includes KCCT Test Preparation Workbook based on the grade 8 test. The workbook also includes test taking strategies and practice for other standardized tests.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Strong Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
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Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

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- Are well-organized and easy to use
 - Provide substantive learning opportunities and are congruent with student learning goals
 - Provide opportunities for high-level thinking, assessment, and/or problem solving
 - Provides opportunities for intervention.
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2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Ancillary materials include a resource book for each chapter and two versions of the All-in-One Student workbook, one has been adapted for special needs.
